

THERMAL DUOS

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About us

At Dynamic Thermal Duos (DTD), we pride ourselves on being experts in thermal imaging technology, dedicated to enhancing the safety and efficiency of electrical systems for our clients. Our innovative approach allows us to identify potential issues before they escalate, providing peace of mind and ensuring optimal performance. By harnessing the power of advanced thermal imaging, we empower our clients to maintain their systems more effectively, ultimately contributing to a safer and more efficient operational environment. Trust us to be your partner in safeguarding your electrical infrastructure.

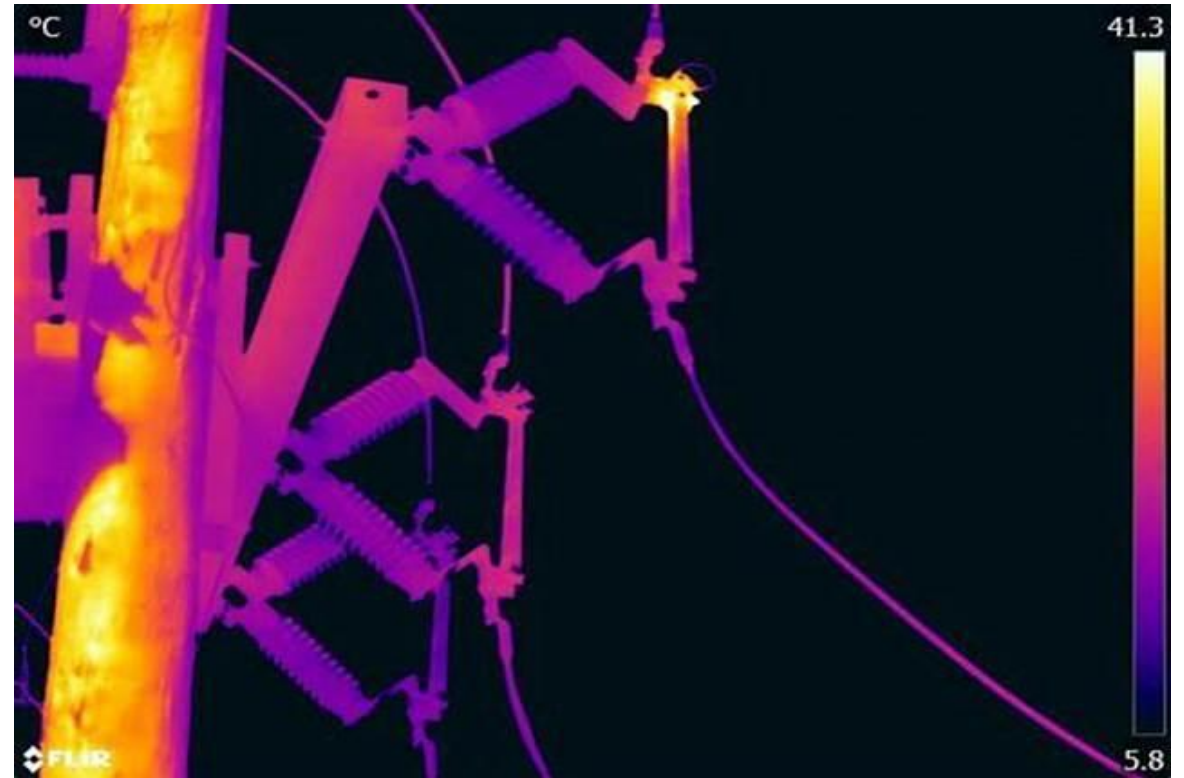


Our Mission

Our commitment to excellence drives us to deliver innovative solutions and top-notch service, ensuring the success of our clients and the growth of our company.

Our Vision

Becoming a trailblazing organisation that assists clients nationwide with preventative maintenance through infrared thermography inspections.





Our Experience

At Dynamic Thermal Duos (DTD), we leverage over 32 years of combined expertise in the electrical trade to provide exceptional leadership and industry knowledge.

Our Safety Values

We pride ourselves in providing a service while upholding a strong sense for safety standards. Following safety protocols, forms an integral part of the work that we do.

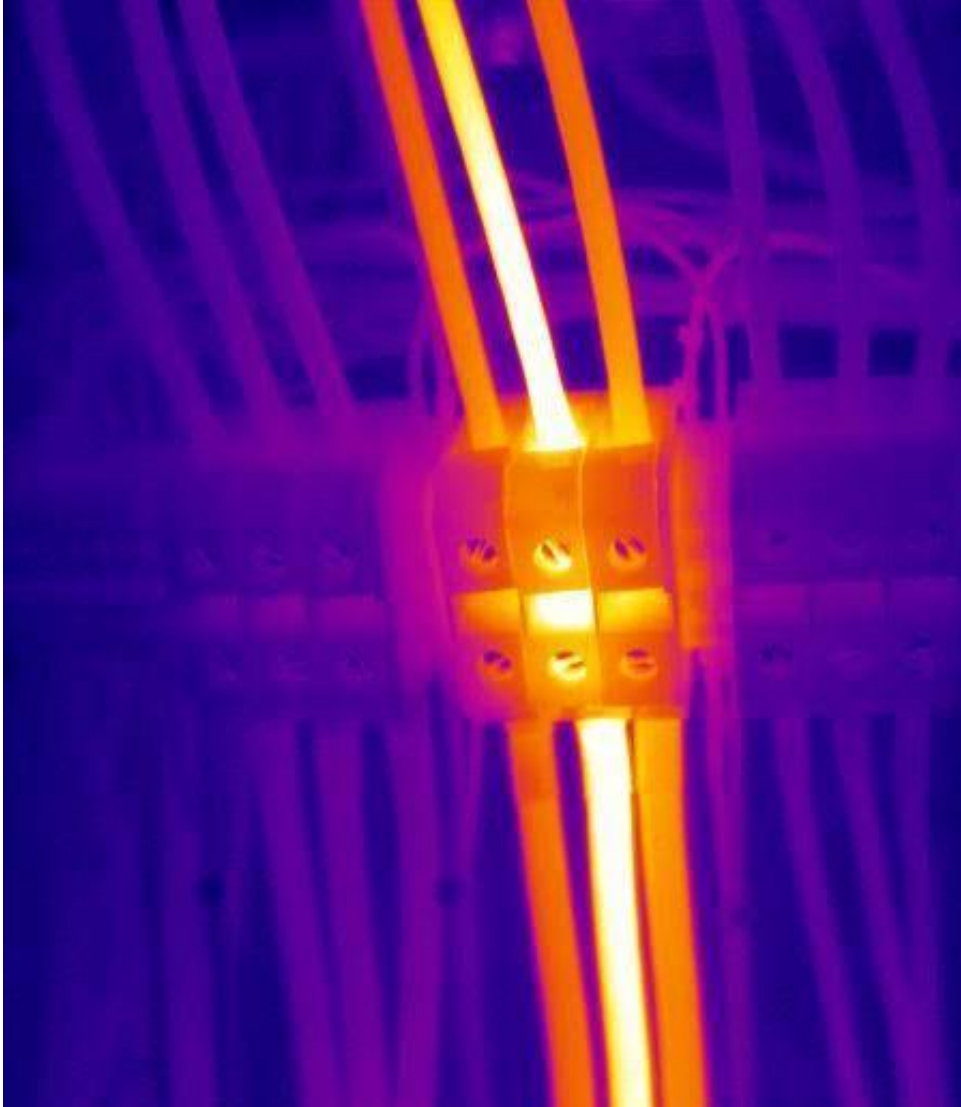
Our products



FLIR E76 ADVANCED THERMAL CAMERA

Offers complete coverage of near and distant targets through a range of interchangeable AutoCal™ lenses, with fields of view for everything from wide-angle roof inspections to electrical inspections performed from a safe distance. A temperature range to 1000°C (1832°F), laser-assisted autofocus, and 3 area measurement boxes. The 320 × 240 thermal resolution produces crisp, vibrant imagery that can be enhanced to ensure quality inspections are done on your electrical infrastructures and solar systems to ensure your optimal and correct maintenance is done

Benefits of thermal imaging on electrical infrastructure



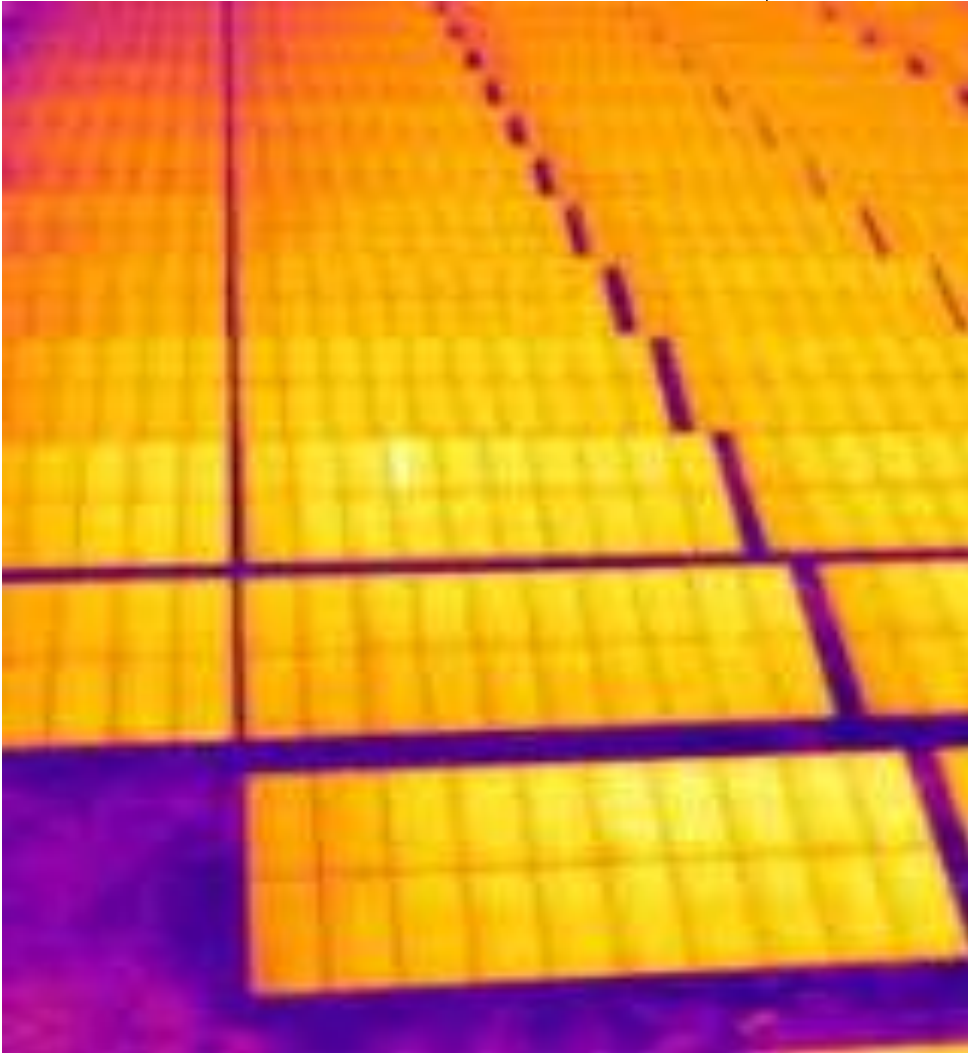
- **Early Detection of Faults:** Identifies potential issues before they escalate into major problems, reducing downtime and repair costs.
- **Enhanced Safety:** Minimizes the risk of electrical fires and hazards by detecting overheating components.
- **Improved Efficiency:** Helps optimize the performance of electrical systems by identifying areas that require maintenance or upgrades.
- **Non-Destructive Testing:** Allows for inspections without interrupting operations or damaging equipment.
- **Comprehensive Analysis:** Provides detailed thermal data that aids in thorough assessments of electrical systems.
- **Cost Savings:** Reduces long-term maintenance costs by enabling proactive rather than reactive measures.
- **Increased Reliability:** Enhances the overall reliability of electrical systems, leading to fewer unexpected failures.

Ideal prospects



DJI MAVIC 3T DRONE - Mavic 3T's thermal camera has 640×512 resolution and supports point and area temperature measurement, high temperature alerts, colour palettes, and isotherms to help you find your hot spots and make quick decisions to maintain your electrical and solar infrastructure. No structure or roof is too high to ensure we inspect your equipment needs in quick an effective way.

Benefits of thermal imaging on solar installations

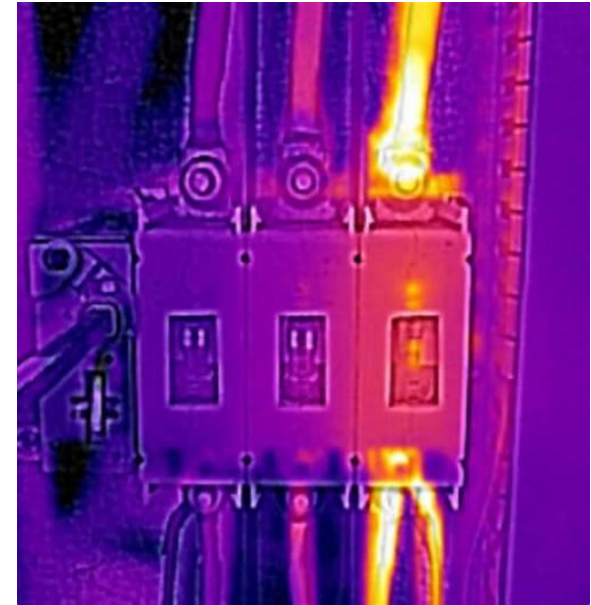


- **Early Detection of Issues:** Thermal imaging can identify hot spots and temperature variations in solar panels that may indicate underlying problems, such as faulty connections or malfunctioning cells, before they lead to significant failures.
- **Enhanced Safety:** By detecting overheating components, thermal imaging helps prevent potential fire hazards associated with electrical failures in solar installations.
- **Improved Efficiency:** Identifying and addressing issues quickly ensures that solar panels operate at peak efficiency, maximizing energy production and return on investment.
- **Comprehensive Assessment:** Thermal imaging provides a non-invasive way to assess the entire solar array, allowing for a thorough evaluation without the need for physical contact or disassembly.
- **Cost-Effective Maintenance:** Regular thermal inspections can help in planning maintenance activities, reducing unexpected repairs and associated costs.
- **Extended Lifespan:** By maintaining optimal performance and addressing issues early, thermal imaging can contribute to a longer lifespan for solar panels and related components.
- **Increased Reliability:** Regular inspections enhance the overall reliability of the solar system, ensuring consistent energy production and reducing downtime.

Our Services

Thermography Inspections and reporting:

- Overhead Power lines
- Report analysis
- Conveyor drives
- Pump stations
- Mini subs
- HT outdoor yards
- DB boards
- Solar Installations
- HV and LV Terminations etc.



Contact us

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